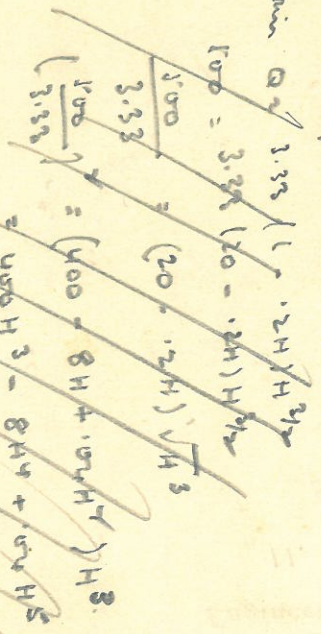


Counter Drain Report for Slows
 New Vases Bridge in 3/4" in 3/4 hours.

= 225' 2.00, 0.00 cur 1/4"
 = 2291 cuces
 allowing for 48 hours of drainage this then
 = 1146 cuces

assuming that the water in pumped down the slow
 then 500 cuces remain in the ditches with long the
 barrels.

hard cover to 9' long Street drain ^{28' 40' cft}
 the highest wt. should not be more than ^{sub 1'} 28' 40' cft



1.2224
 2.0024
 2.5258

6550
 20970
 10585

4971
 14313
 7156

6021
 18063
 9031
 1.2878
 7156
 2.0034

1.2788
 1.0485
 2224
 2.8497

.2833
 1.5031
 5224
 2.9088

∴ 0.445 - 8H^4 + 400 H^3 = 22550
 multiplying thru 20 to long x 3.0 deep in hours
 Q = 3.33 (20 - 1.2 x 3) 3 3/4
 = 3.33 (20 - .6) 3 3/4
 = 3.33 (19.4) 3 3/4
 = 3356 cuces long 5' 1/2 deep.
 Q = 1.13 (20 - 1) 5 1/2
 = 11600 long 4' 1/2
 Q = 2.13 (20 - .8) 4 3/4
 5113 cuces.

C.S. No 3

Excavation 270.64 sq ft.
 Bank work 67.62 sq ft.



$$\sqrt{1 + \frac{2.18}{55.2}} \times \frac{283.8}{55.2}$$

2.6

$$2 = \left[1 + \frac{187.6}{1039} \right] \sqrt{519.6}$$

$$2 = \left[\frac{187.6}{2.039} \right] \sqrt{519.6}$$

$$5.1371 = \frac{\left[\frac{187.6}{2.039} \right]^2 \times 5.139}{4}$$

$$i = \frac{.0001301}{28.241} \text{ is answer}$$

For 10' main furrow 1/8' depression the surface 1/8' in therefore $\frac{10.5 \times 8.241}{12}$

$$= 10.305 \text{ feet}$$

1/2 main surface at barrow

$$= 17.305 \text{ ft Land level}$$

hand level 25' OD. \uparrow bar drain

Barrow 23' OD \uparrow 17' main

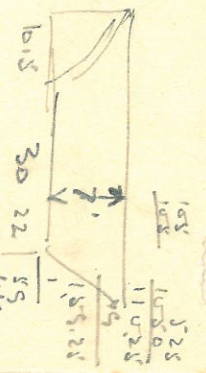
Ground drain 13' OD \downarrow

in S. 6' OD.

$$\frac{6.76}{3.375} \text{ fall in main surface. in bar drain } 1.7 \times 8.241 \text{ width}$$

$$= 14 \text{ inches}$$

$$\frac{6.241}{5.9687} = 1.0457$$



$$m = \frac{A}{p} = \frac{2635}{55.2}$$

$$.0000472$$

$$0.01140$$

$$\frac{2.4526}{1.7419}$$

$$\frac{.9107}{.3553}$$

$$\frac{.0156}{.0156}$$

$$\frac{2.1976}{30.910}$$

$$\frac{1.8886}{3.7792}$$

$$\frac{.7107}{4.4879}$$

$$\frac{.6021}{4.1143}$$

$$\frac{3.2455}{4.771}$$

$$\frac{1.0792}{.9160}$$

$$1.687$$

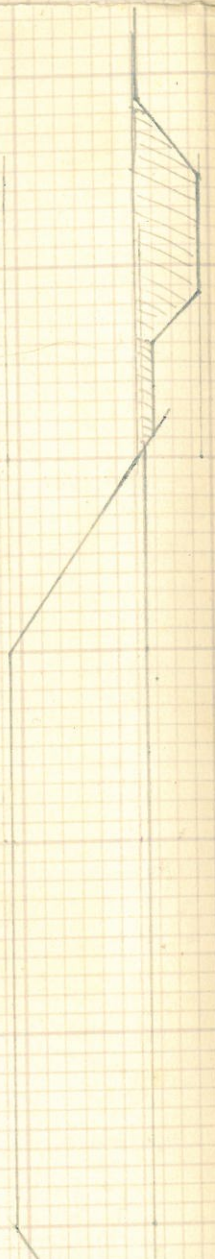
$$6.87$$

$$\frac{3.435}{16.307}$$

C.S. No 3

Excavation 270.64 sq ft.
Barrow work 67.62 sq ft.

10 x 1/8" furrows



9. Surut as pada jarak lain
 100. Kuru untuk safe velocity in
 Kanyin Immanuel.

$$v = \left[\frac{157.6}{1 + \frac{1}{\sqrt{R}}} \right] \sqrt{RS}$$

$$2 = \left[\frac{157.6}{1 + \frac{1}{\sqrt{R}}} \right] \sqrt{RS}$$

~~v = 157.6~~
~~2 = 157.6~~

$$\begin{array}{r} 3.2458 \\ 4.1771 \\ 1.0710 \\ \hline 4.0236 \\ 2.16118 \end{array}$$

$$\begin{array}{r} .0000 \\ 4.0236 \\ 3.9764 \\ \hline 3.9882 \end{array}$$

Salvage value velocity in diameter 4 ft 2 ft.

Then is arrived at it with $Q = 811.3$ cusecs
 Assume it is the 6" to 1 mile $1700 \times 3 \times \frac{1}{2}$

$$\sqrt{S} = \frac{1700 \times 3 \times \frac{1}{2}}{811.3} = 1.978$$

from horizon ~~with~~ discharge = 811.3 + 60 = 30678

and depth 4 ft. low surface 1/1671 inappreciable

$$\sqrt{S} \times \text{discharge} = 30678$$

$$\text{discharge} = \frac{30678}{1.0091} = 3152000$$

$$\begin{array}{r} 2537 \\ 89875 \\ \hline 98859 \\ 27477 \\ \hline 9859 \end{array}$$

with a depth of 4 ft & bottom matter is 60 ft
 will be such a channel etc in working, for
 great in Kanyin Immanuel.

$$v = \left[\frac{157.6}{1 + \frac{1}{\sqrt{R}}} \right] \sqrt{RS}$$

over

C/M

John's Misses

$$\begin{array}{r}
 67.92147 \\
 45220.19 \\
 \hline
 93526.6
 \end{array}$$

$$\begin{array}{r}
 2512.82 \\
 289.14 \\
 \hline
 2801.96
 \end{array}$$

$$\begin{array}{r}
 29141.246.79 \\
 2922.839 \\
 \hline
 29182017.407 \\
 221199.77 \\
 \hline
 29404540
 \end{array}$$

Excavation, spread

Bank work

~~Q1~~
~~Q2~~
~~Q3~~
~~Q4~~
~~Q5~~
~~Q6~~
~~Q7~~
~~Q8~~
~~Q9~~

1.7 miles
 2.2 miles

$$\begin{array}{r}
 10 \times 10 \\
 \hline
 100
 \end{array}$$

1000000 yd

C.S. No 3
 Excavation
 Bank work.

270.84 sq ft
 67.62 sq ft



091
 2 x 4 x 2
 291
 28

66.5
 35.1
 98.5

117,000,000
 69.10
 5.00
 29.10
 29.10
 8.352
 1.3803
 6.9721
 3.0373
 3.4161
 22

225,200,000
 24 x 3600
 2291
 24 hours in 48 hours.

to the discharge via km² drain
 during 24 hours.
 1146. excess of discharge during 24
 hrs of rain. 20' x 4'
 length of stream 30' bottom x 7'0" depth
 area slope 1:1.5
 Hence form of bank.

44.55
 9.7
 3118.5
 4009.5
 4321.35

17.3
 2.7
 200
 44.55

17.3
 1.14
 16.14
 10.3

3m = 80 x 3
 240

30
 10.3
 14.7
 7.38
 22.05
 44.1
 24.1
 150
 5

